

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000558

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/28, H04Q 7/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002075940 A1 (HAARTSEN, J.C.), 20 June 2002 (20.06.2002), [0014], [0036], claims 1-52, abstract --	1-30
Y	WO 0035230 A1 (BRITISH TELECOM. PLC), 15 June 2000 (15.06.2000), page 2, line 25 - page 4, line 20, claims 1-11 --	1-30
A	EP 1206070 A2 (SHARP KK), 15 May 2002 (15.05.2002), [0020]-[0026]; [0037]-[0043], claims 1-16 and abstract --	1-30

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

15 January 2004

Date of mailing of the international search report

04 -02- 2004

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001031626 A1 (LINDSKOG, J. ET AL), 18 October 2001 (18.10.2001), [0032]-[0040], claims 1-13, 49-56 and abstract --	1-30
A	WO 03047176 A1 (XTREMESPECTRUM, INC), 5 June 2003 (05.06.2003), page 11, line 14 - page 12, line 10; page 22, line 1, claims 1-17, abstract --	1-30
A	US 6393261 B1 (LEWIS, D.E.), 21 May 2002 (21.05.2002), claims 1-20, 38-44, abstract -- -----	1-30

INTERNATIONAL SEARCH REPORT  
Information on patent family members

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